



Installation manual
Manuel d'installation
Guía de Instalación

NP509

CLARION PRODUCT REGISTRATION INFORMATION

For USA and Canada only

www.clarion.com

Dear Customer:

Congratulations on your purchase of a Clarion mobile electronic product. We are confident that you'll enjoy your Clarion experience.

There are many benefits to registering your product. We invite you to visit our website at **www.clarion.com** to register your Clarion product.

We have made product registration simple with our easy to use website. The registration form is short and easy to complete. Once you're registered, we can keep you informed of important product information.

Register at **www.clarion.com** - it's easy to keep your Clarion product up to date.

INFORMATIONS DE L'ENREGISTREMENT DE PRODUITS CLARION

Pour les États Unis et le Canada seulement

www.clarion.com

Cher client:

Nous vous remercions d'avoir acheté ce produit électronique mobile Clarion. Nous sommes confiants que vous apprécierez votre expérience Clarion.

Il y a beaucoup d'avantage à enregistrer votre produits. Nous vous invitons à visiter notre site Web **www.clarion.com** pour enregistrer votre produit Clarion.

Nous avons facilité la tâche d'enregistrement de produit simple et facile grâce à notre site Web. Le formulaire d'enregistrement est court et facile à compléter. Lorsque vous êtes enregistrer, nous pouvons vous tenir informé des informations important de produits.

Enregistrer à **www.clarion.com** - c'est facile de mettre à jour votre produit Clarion.

INFORMACIÓN DEL REGISTRO DE PRODUCTO DE CLARION

Para USA y Canada nomas

www.clarion.com

Querido Cliente:

Felicitaciones por su compra de producto electrónico móvil de Clarion. Estamos seguros que usted gozará de su experiencia con el producto de Clarion.

Hay muchas ventajas al registrar su producto. Le invitamos a que visite nuestro sitio en internet **www.clarion.com** para registrar su producto de Clarion.

Hemos hecho el registro de producto fácil en nuestro sitio. La forma de registro es corta y fácil de completar. Una vez que lo registre, podremos proporcionarle la información de su producto.

Regístrese en **www.clarion.com** - es fácil mantener su producto de Clarion actualizado.

Thank you for purchasing the Clarion **NP509**.

- Please read this manual thoroughly before operating this equipment.
- After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).
- Check the contents of the enclosed warranty card and keep it carefully with this manual.

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SPECIFICATIONS

Dimensions of the Main Unit:
5-9/32" Width (134mm) × 1-11/64" Height (29.6mm) × 5-5/8" Depth (143mm)
Weight of the Main Unit: 500g

* These specifications and designs are subject to change without notice for improvement purposes.

INSTALLATION AND WIRE CONNECTION MANUAL

Safety Precautions

- For your own safety, please read this manual thoroughly before installation and connection. Please be aware of the following precautions:

Symbol Identification

This manual uses various pictorial symbols to show how to use this product safely and to avoid harm to yourself, others and damage to your property. Please ensure you study this manual carefully.

⚠ WARNING

This symbol is intended to alert the user to the presence of important operating instructions. Failure to heed the instructions may result in severe injury or death.

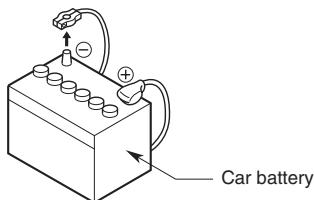
⚠ CAUTION

This symbol is intended to alert the user to the presence of important operating instructions. Failure to heed the instructions can result in injury or material damage.

Before Use

⚠ WARNING

- Confirm the battery voltage of the vehicle to be installed. This unit is designed only for vehicles with DC 12V power supply.
- Disconnect the negative terminal of the battery before connecting wires, otherwise an electric shock, injury by short circuit may occur.



Notes on the Place to Install to

⚠ WARNING

- When installing the unit to a vehicle with an airbag system, never install it in a place where it may affect the operation of the airbag.
If the airbag does not operate correctly at an emergency situation, an accident or injury may happen.
- Do not install this unit in the following locations:
A location interfering with the driver's visual range or operation.
A location where the gear shift or brake pedal are hindered.
A location where passengers are at risk.
An unstable location, or where the system may fall.
If the operation is hindered or the unit comes off, it may cause an injury or traffic incident.

⚠ CAUTION

- Do not install the system in the locations described below. This may cause a fire, accident or electrical shock:
A location exposed to rain or dust.
A location interfering with the driver's visual range or operation of the vehicle.
An unstable location, or where the system may fall.
- Do not install the unit in areas subject to strong vibration or other locations where secure installation is not possible. Insecure installation can cause the unit to work loose, creating the risk of accident and personal injury.
- Do not install this unit in a place exposed to direct sunlight, heat or a place where the vent holes or heat radiation holes are covered.

Safety Precautions

- When you install the antenna, mount it in a place where the elements of the antenna do not protrude beyond the edge of the front, back, left and right of the vehicle. If it comes in contact with pedestrians, it may cause an accident.

Installation Notes

WARNING

- Please note the position of pipes, tanks and electrical wirings before installing the unit into the vehicle; failure in avoiding these may cause a fire or malfunction.
- Whenever using vehicle bolts or nuts for unit installation or grounding, never use the bolts and nuts of the steering system, brake system, tank, or any other critical safety component. Doing so creates the risk of loss of vehicle control, fire, and accident.

CAUTION

- Use only the supplied parts.
- If unspecified parts are used, they may cause damage. If the unit comes off, it may cause an accident or malfunction.

Connection Notes

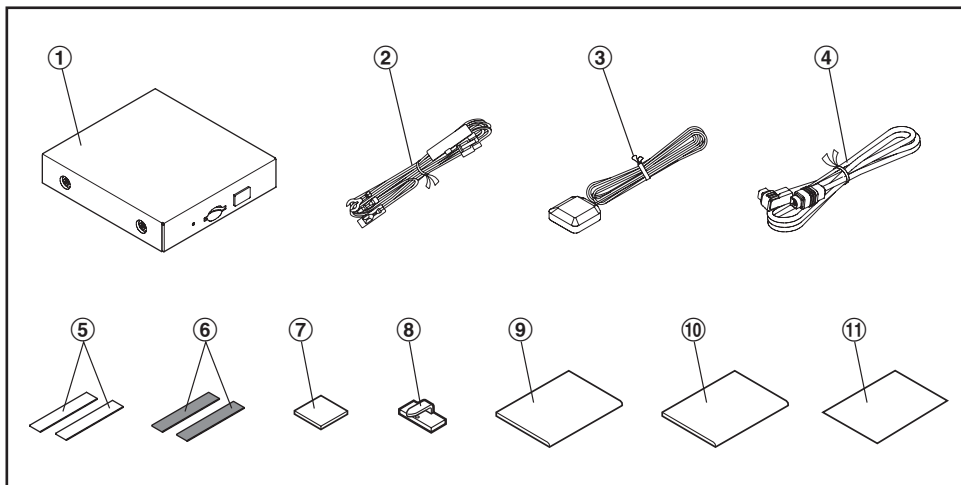
WARNING

- Loom all cables according to the instruction manual, so as not to hinder operation.
- Wire the connecting cords/cables away from high temperature areas. If the coatings of the cables melt, it could cause an accident/fire by a short circuit. Take care when wiring in the engine compartment.
- When wiring the connecting cables in a vehicle with an airbag system, never feed the cables through a place where it may affect the operation of the airbag. An airbag not operating correctly in an emergency may cause increased injury.

CAUTION

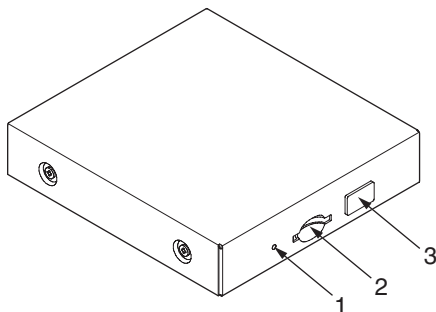
- Connect cables appropriately. If a wrong connection is made, this may cause a fire or accident.
- When passing cables through the body of the vehicle, use non-conductive grommets. If the coatings of the cables are worn out by rubbing, this may cause an accident, fire or a short circuit.
- After wiring cables, fix them with insulation tape.
- Be sure to switch off the vehicle when connecting or disconnecting cords to/from the unit, otherwise an electric shock, injury or accident may occur.

Package Contents



① Main unit (Navigation unit)	1	⑦ Double-sided tape	1
② Power supply cord	1	⑧ Cord holder	3
③ GPS antenna	1	⑨ Operation manual (Book)	1
④ System cable (2.5 m)	1	⑩ Installation manual (Book)	1
⑤ Velcro tape A	2	⑪ Warranty card	1
⑥ Velcro tape B	2		

Name and Function of the Controls



1. Reset button

Use this button when the unit is frozen.

2. SD card slot

Use this slot to import updated data when it is available in the future via an SD card. You can import the location database of Safety Camera stored in SD card to the internal memory.

3. USB port

Use this port to import updated map data when it is available in the future via a USB memory stick.

Installing the Navigation Unit

Note:

- Never disassemble the unit by yourself.

1. Attach the Velcro tape.

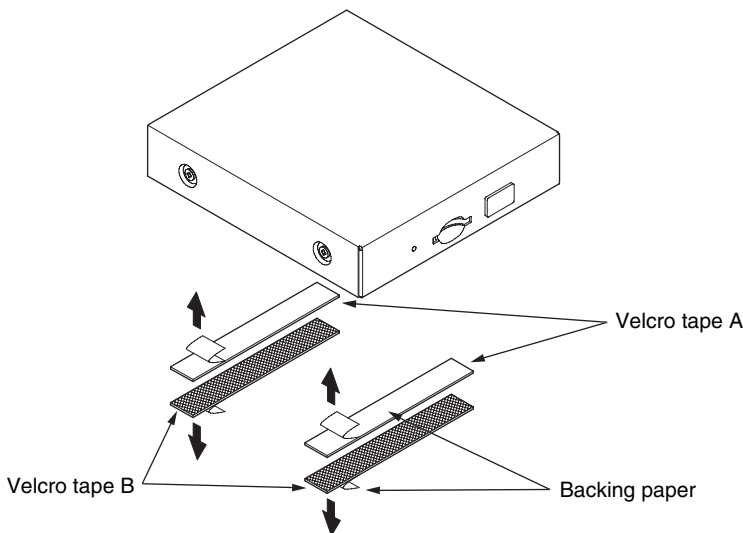
- Affix the Velcro tape A to the bottom of the unit.
- Attach the Velcro tape B to the vehicle so it is positioned for mating with the Velcro tape A.

Note:

- Peel the backing paper from the adhesive side of the Velcro tape before affixing it to the unit or vehicle.

2. Attach the unit.

- Secure the unit by joining the pieces of Velcro tapes A and B.



Installing the GPS Antenna

⚠ WARNING

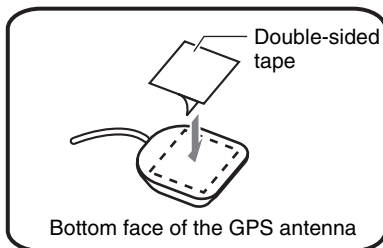
- Do not install the GPS antenna in a place where it may interfere with the operation of the airbag or hinder the driver's visual range.
- Do not use the navigation system with the GPS antenna cord cut off. The power cables in the cord may be short-circuited.

Note:

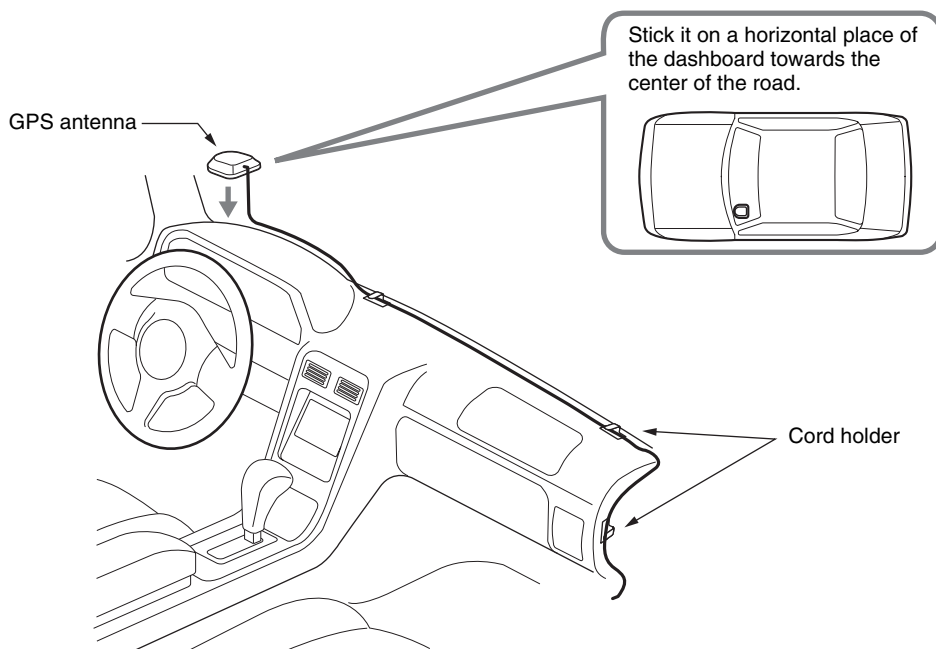
- The supplied GPS antenna is for installing inside the vehicle. Do not install it outside the vehicle.
- Install the GPS antenna more than 50 cm away from the main unit, other audio devices such as CD player, and a radar detector. If it is installed near these devices, GPS reception may be impaired.
- It is recommended that the GPS antenna is sited towards the center of the road where GPS signal interruption is minimized.
- To improve the GPS signal reception, install the GPS antenna horizontally on a flat plane.
- Do not wax or paint the cover of the GPS antenna. This may reduce the performance of the GPS antenna.
- Install the GPS antenna at least 10 cm away from the windshield.
- Wipe off the dirt of the mounting surface before installing the GPS antenna.

Installing the GPS Antenna

1. Stick the double-sided tape to the bottom face of the GPS antenna.



2. Mount the GPS antenna.
Stick it surely on a flat plane of the dashboard towards the center of the road where GPS signal interruption is minimized.
3. Wire the GPS antenna cord.
Fasten the cord using the cord holders.

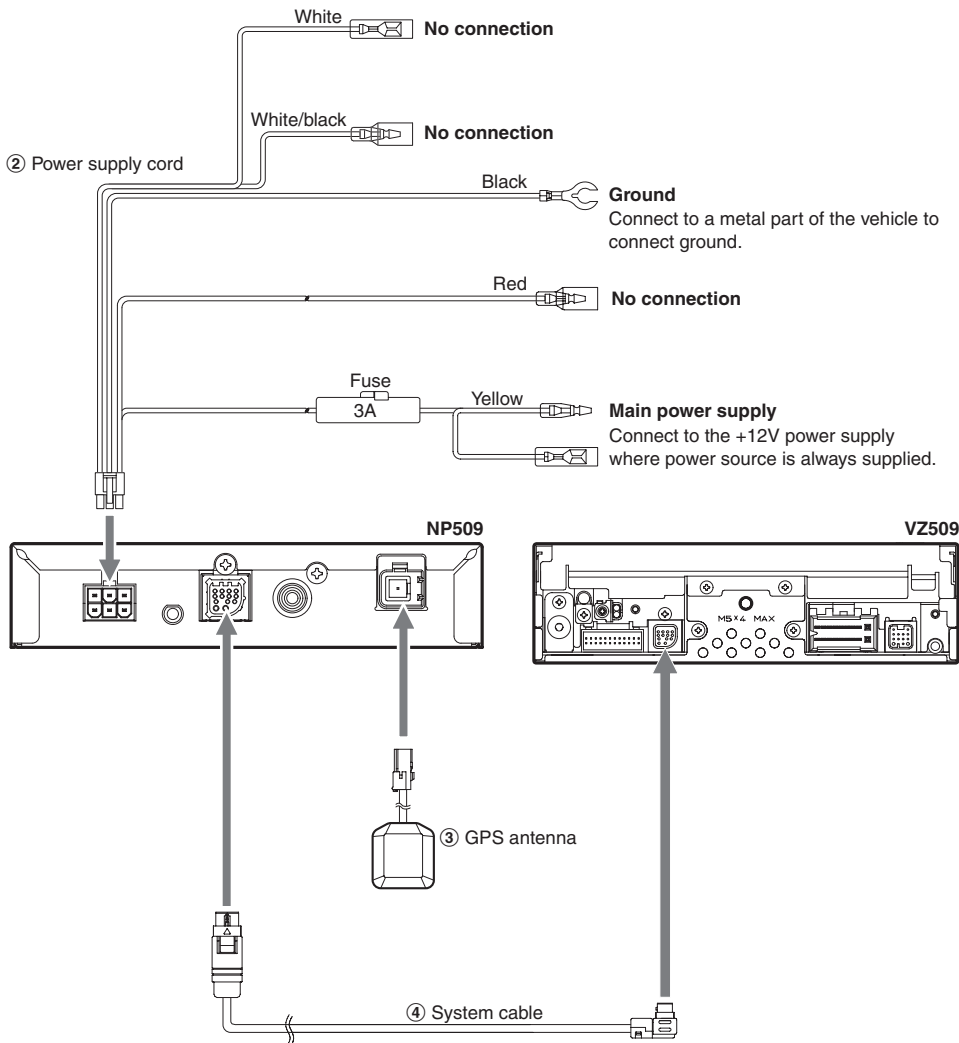


(Shows an example in case of the left-hand traffic.)

⚠ WARNING

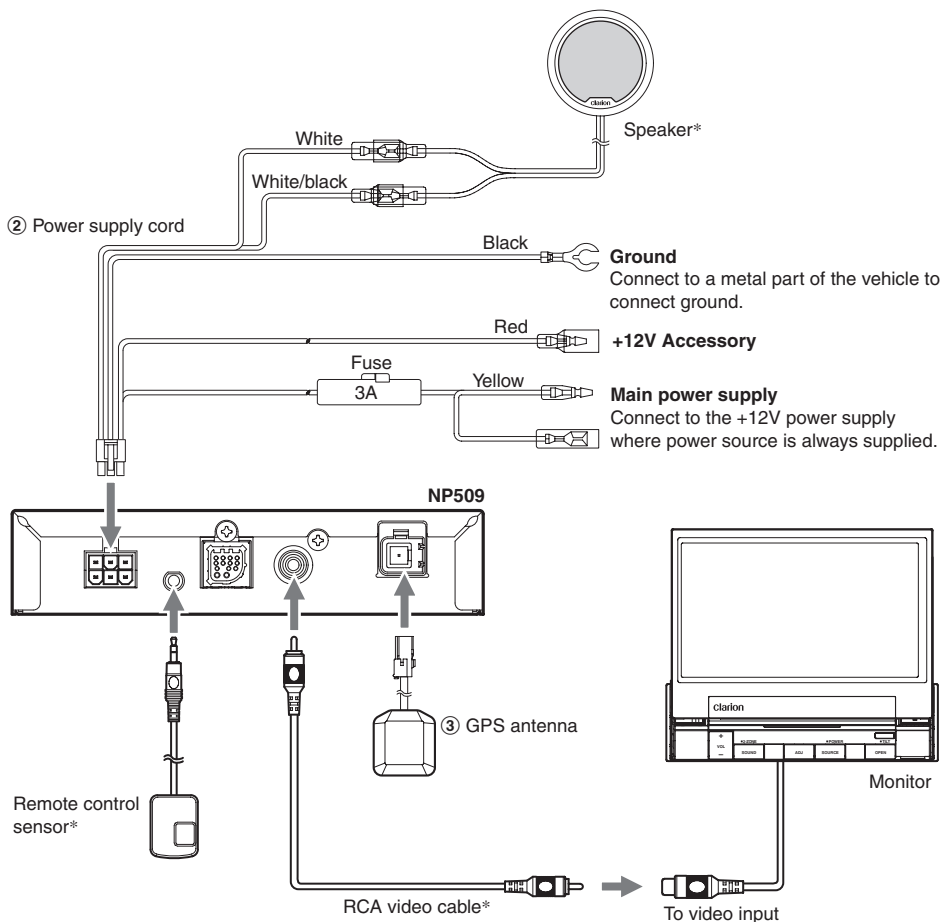
Be sure to read the section “Safety Precautions” before installation or connection operations.

Example of connecting to the VZ509



Wire Connection

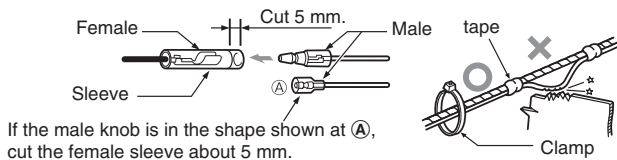
Example of connecting to the optional accessory kit



* Provided with the optional accessory kit.

Notes on wire connection

When connecting the plugs and sleeves, be sure to insert the plug until it locks securely. After completing connections, fasten the cords using cord clamps and tapes.



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